1. What spring boot framework do after starting the application ?

* Sets up default configuration
* Starts spring application context
* Performs class path scan.
* Start tomcat server.

1. Steps to create a new spring application

* Add parent project

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>1.4.2.RELEASE</version>

</parent>

* Add dependency web starter

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

* Create a main class and annotate it with two annotations

@SpringBootApplication

@ComponentScan(basePackages={"package where all beans exist"})

* Inside main method call

SpringApplication.*run*(CoureseApi.**class**, args);

CourseApi is the main class name

* Create controller class or any other service classes inside the package mentioned inside component scan annotation

1. How to create a spring boot application by spring initializr

* Go to start.spring.io
* Choose your option and add dependencies like web, jpa, security etc.

1. How to configure a spring boot application ?

Configure server port, consul , discovery client and lots more

Create a file application.properties inside src/main/resources

Find all the keys in this below link

<https://docs.spring.io/spring-boot/docs/current/reference/html/common-application-properties.html>

1. How to start the boot application outside the IDE

Go to target folder of the project and run

Java –jar application-name.jar

1. How to get health and beans information

Add actuator and query with localhost:8080/health

Add management.port = 9001 to change the server port for actuator